Amendments to the Claims

- 1. (Currently amended) A propylene-ethylene block copolymer containing polypropylene-b-poly(ethylene-co-propylene), characterized by having a weight-average molecular weight (Mw) of the propylene-ethylene block copolymer of 100,000 or more; a poly(ethylene-co-propylene) segment content of not less than 5 wt.% and less than 100 wt.%; and a total ethylene content of 2-95 wt.%, wherein the propylene-ethylene block copolymer polypropylene-b-poly(ethylene-co-propylene) has the following characteristics (a) and (b):
- (a) polypropylene segments and poly(ethylene-co-propylene) segments are linked chemically; and
- (b) the polypropylene segments and poly(ethylene-co-propylene) segments are synthesized in the presence of an olefin polymerization catalyst comprising an organometallic compound and a solid catalyst component comprising either titanium and a halogen or titanium, magnesium, and a halogen.
- 2. (Original) The propylene-ethylene block copolymer as described in claim 1, wherein the propylene-ethylene block copolymer has a molecular weight distribution index (weight-average molecular weight (Mw)/number-average molecular weight (Mn)) of 3.5 or more.
- 3. (Previously presented) The propylene-ethylene block copolymer as described in claim 1, wherein the propylene-ethylene block copolymer contains a xylene-soluble component during extraction by use of xylene at 20°C in an amount of 50 wt.% or less.
- 4: (Previously presented) The propylene-ethylene block copolymer as described in claim 1, wherein the ratio of the poly(ethylene-co-propylene) segments remaining after extraction by use of xylene at 20°C to the segments before extraction is 50 wt.% or more.

- 5. (Previously presented) The propylene-ethylene block copolymer as described in claim 1, wherein the ratio of the total ethylene content remaining after extraction by use of xylene at 20°C to the content before extraction is 50 wt.% or more.
- 6. (Previously presented) The propylene-ethylene block copolymer as described in claim 1, wherein the propylene-ethylene block copolymer has an elution-completion temperature in cross-fractionation chromatography of 100-120°C.
- 7. (Previously presented) The propylene-ethylene block copolymer as described in claim 1, wherein the propylene-ethylene block copolymer has a melting point (Tm) of 135°C or higher.
- 8. (Previously presented) The propylene-ethylene block copolymer as described in claim 1, wherein the propylene-ethylene block copolymer exhibits a melt tension at 190°C of 1.0 g or more.
- 9. (Previously presented) The propylene-ethylene block copolymer as described in claim 1, wherein the peak temperature of complex modulus loss tangent ($\tan\delta$) based on glass transition temperature of the PP portion of the propylene-ethylene block copolymer falls within the range of -50°C to 10°C.
- 10. (Previously presented) The propylene-ethylene block copolymer as described in claim 1, wherein the propylene-ethylene block copolymer exhibits a storage modulus (E') at 150°C of $(0.1-30) \times 10^7$ dyne/cm².
- polypropylene-b-poly(ethylene-co-propylene), characterized in that the weight-average molecular weight (Mw) of the propylene-ethylene block copolymer is 100,000 or more; the poly(ethylene-co-propylene) segment content is not less than 5 wt.% and less than 100 wt.%; the total ethylene content is 2-95 wt.%; the molecular weight distribution index (weight-average molecular

weight (Mw)/number-average molecular weight (Mn)) is 3.5 or more; the propylene-ethylene block copolymer contains a xylene-soluble component during extraction by use of xylene at 20°C in an amount of 50 wt.% or less; and the ratio of the poly(ethylene-co-propylene) segments remaining after extraction by use of xylene at 20°C to the segments before extraction is 50 wt.% or more.

- 12. (Original) The propylene-ethylene block copolymer as described in claim 11, wherein the ratio of the total ethylene content remaining after extraction by use of xylene at 20°C to the content before extraction is 50 wt.% or more.
- 13. (Previously presented) The propylene-ethylene block copolymer as described in claim 11, wherein the propylene-ethylene block copolymer has an elution-completion temperature in cross-fractionation chromatography of 100-120°C.
- 14. (Previously presented) The propylene-ethylene block copolymer as described in claim 11, wherein the propylene-ethylene block copolymer has a melting point (Tm) of 135°C or higher.
- 15. (Previously presented) The propylene-ethylene block copolymer as described in claim 11, wherein the propylene-ethylene block copolymer exhibits a melt tension at 190°C of 1.0 g or more.
- 16. (Previously presented) The propylene-ethylene block copolymer as described in claim 11, wherein the peak temperature of complex modulus loss tangent ($\tan \delta$) based on a glass transition temperature of the PP portion of the propylene-ethylene block copolymer falls within the range of -50°C to 10°C.
- 17. (Previously presented) The propylene-ethylene block copolymer as described in claim 11, wherein the propylene-ethylene block copolymer exhibits a storage modulus (E') at 150° C of $(0.1-30) \times 10^{7}$ dyne/cm².

- 18. (Original) A blushing-resistant transparent polypropylene resin for molding containing polypropylene-b-poly(ethylene-co-propylene), characterized by having a poly(ethylene-co-propylene) segment content of polypropylene-b-poly(ethylene-co-propylene) of not less than 5 wt.% and less than 50 wt.% and a total ethylene content of polypropylene-b-poly(ethylene-co-propylene) of 0.25-47 wt.%, wherein the polypropylene-b-poly(ethylene-co-propylene) has the following characteristics (a) and (b):
- (a) polypropylene segments and poly(ethylene-co-propylene) segments are linked chemically; and
- (b) the polypropylene segments are synthesized in the presence of an olefin polymerization catalyst comprising an organometallic compound and a solid catalyst component comprising either titanium and a halogen or titanium, magnesium, and a halogen, and subsequently, the poly(ethylene-co-propylene) segments are synthesized.
- 19. (Original) The blushing-resistant transparent polypropylene resin for molding as described in claim 18, wherein the polypropylene-b-poly(ethylene-co-propylene) has a weight-average molecular weight (Mw) of 30,000 or more.
- 20. (Previously presented) The blushing-resistant transparent polypropylene resin for molding as described in claim 18, wherein the polypropylene-b-poly(ethylene-co-propylene) has a molecular weight distribution index (weight-average molecular weight (Mw)/number-average molecular weight (Mn)) of 3.5 or more.
- 21. (Previously presented) The blushing-resistant transparent polypropylene resin for molding as described in claim 18, wherein the polypropylene-b-poly(ethylene-co-propylene) contains a component soluble in xylene at 20°C in an amount of 50 wt.% or less.

- 22. (Previously presented) The blushing-resistant transparent polypropylene resin for molding as described in claim 18, wherein the polypropylene-b-poly(ethylene-co-propylene) has a melting point (Tm) of 135 °C or higher.
- 23. (Previously presented) The blushing-resistant transparent molded article formed by molding a blushing-resistant transparent polypropylene resin for molding as recited in claim 18.
- 24. (Previously presented) The blushing-resistant molded article as described in claim 23, wherein molding is carried out through injection molding.

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- 32. (Previously presented) A molded article formed by molding a propylene-ethylene block copolymer containing polypropylene-b-poly(ethylene-co-propylene), characterized by having a weight-average molecular weight (Mw) of the propylene-ethylene block copolymer of 100,000 or more; a poly(ethylene-co-propylene) segment content of not less than 5 wt.% and less than 100 wt.%; and a total ethylene content of 2-95 wt.%, wherein the propylene-ethylene block copolymer has the following characteristics (a) and (b):
- (a) polypropylene segments and poly(ethylene-co-propylene) segments are linked chemically; and
- (b) the polypropylene segments and poly(ethylene-co-propylene) segments are synthesized in the presence of an olefin polymerization catalyst comprising an organometallic compound and a solid catalyst component comprising either titanium and a halogen or titanium, magnesium, and a halogen, and

the molded article has a flexural modulus of 100-1,200 MPa.

- 33. (Previously presented) The molded article as described in claim 32, wherein the propylene-ethylene block copolymer has a molecular weight distribution index (weight-average molecular weight (Mw)/number-average molecular weight (Mn)) of 3.5 or more.
- 34. (Previously presented) The molded article as described in claim 32, wherein the propylene-ethylene block copolymer contains a xylene-soluble component during extraction by use of xylene at 20°C in an amount of 50 wt.% or less.
- 35. (Previously presented) The molded article as described in claim 32, wherein the ratio of the poly(ethylene-co-propylene) segments remaining after extraction by use of xylene at 20°C to the segments before extraction is 50 wt.% or more.
- 36. (Previously presented) The molded article as described in claim 32, wherein the ratio of the total ethylene content remaining after extraction by use of xylene at 20°C to the content before extraction is 50 wt.% or more.
- 37. (Previously presented) The molded article as described in claim 32, wherein the propylene-ethylene block copolymer has an elution-completion temperature in cross-fractionation chromatography of 100-120°C.
- 38. (Previously presented) The molded article as described in claim 32, wherein the propylene-ethylene block copolymer has a melting point (Tm) of 135°C or higher.
- 39. (Previously presented) The molded article as described in claim 32, wherein the propylene-ethylene block copolymer exhibits a melt tension at 190°C of 1.0 g or more.

- 40. (Previously presented) The molded article as described in claim 32, wherein the peak temperature of complex modulus loss tangent (tanδ) based on glass transition temperature of the PP portion of the propylene-ethylene block copolymer falls within the range of -50°C to 10°C.
- 41. (Previously presented) The molded article as described in claim 32, wherein the propylene-ethylene block copolymer exhibits a storage modulus (E') at 150° C of (0.1-30) x 10^{7} dyne/cm².
- 42. (Previously presented) A molded article formed by molding a propylene-ethylene block copolymer containing polypropylene-b-poly(ethylene-co-propylene), characterized in that the weight-average molecular weight (Mw) of the propylene-ethylene block copolymer is 100,000 or more; the poly(ethylene-co-propylene) segment content is not less than 5 wt.% and less than 100 wt.%; the total ethylene content is 2-95 wt.%; the molecular weight distribution index (weight-average molecular weight (Mw)/number-average molecular weight (Mn)) is 3.5 or more; the propylene-ethylene block copolymer contains a xylene-soluble component during extraction by use of xylene at 20°C in an amount of 50 wt.% or less; and the ratio of the poly(ethylene-co-propylene) segments remaining after extraction by use of xylene at 20°C to the segments before extraction is 50 wt.% or more, and

the molded article has a flexural modulus of 100-1,200 MPa.

- 43. (Previously presented) The molded article as described in claim 42, wherein the ratio of the total ethylene content remaining after extraction by use of xylene at 20°C to the content before extraction is 50 wt.% or more.
- 44. (Previously presented) The molded article as described in claim 42, wherein the propylene-ethylene block copolymer has an elution-completion temperature in cross-fractionation chromatography of 100-120°C.

- 45. (Previously presented) The molded article as described in claim 42, wherein the propylene-ethylene block copolymer has a melting point (Tm) of 135°C or higher.
- 46. (Previously presented) The molded article as described in claim 42, wherein the propylene-ethylene block copolymer exhibits a melt tension at 190°C of 1.0 g or more.
- 47. (Previously presented) The molded article as described in claim 42, wherein the peak temperature of complex modulus loss tangent (tanδ) based on a glass transition temperature of the PP portion of the propylene-ethylene block copolymer falls within the range of -50°C to 10°C.
- 48. (Previously presented) The molded article as described in claim 42, wherein the propylene-ethylene block copolymer exhibits a storage modulus (E') at 150° C of $(0.1-30) \times 10^{7}$ dyne/cm².
- 49. (Previously presented) A molded article formed by molding a blushing-resistant transparent polypropylene resin for molding containing polypropylene-b-poly(ethylene-co-propylene), characterized by having a poly(ethylene-co-propylene) segment content of polypropylene-b-poly(ethylene-co-propylene) of not less than 5 wt.% and less than 50 wt.%, and a total ethylene content of polypropylene-b-poly(ethylene-co-propylene) of 0.25-47 wt.%, wherein the polypropylene-b-poly(ethylene-co-propylene) has the following characteristics (a) and (b):
- (a) polypropylene segments and poly(ethylene-co-propylene) segments are linked chemically; and
- (b) the polypropylene segments are synthesized in the presence of an olefin polymerization catalyst comprising an organometallic compound and a solid catalyst component comprising either titanium and a halogen or titanium, magnesium, and a halogen, and subsequently, the poly(ethylene-co-propylene) segments are synthesized, and

the molded article has a flexural modulus of 100-1,200 MPa and exhibits no blushing due to 300% elongation.

- 50. (Previously presented) The molded article as described in claim 49, wherein the polypropylene-b-poly(ethylene-co-propylene) has a weight-average molecular weight (Mw) of 30,000 or more.
- 51. (Previously presented) The molded article as described in claim 49, wherein the polypropylene-b-poly(ethylene-co-propylene) has a molecular weight distribution index (weight-average molecular weight (Mw)/number-average molecular weight (Mn)) of 3.5 or more.
- 52. (Previously presented) The molded article as described in claim 49, wherein the polypropylene-b-poly(ethylene-co-propylene)contains a component soluble in xylene at 20°C in an amount of 50 wt.% or less.
- 53. (Previously presented) The molded article as described in claim 49, wherein the polypropylene-b-poly(ethylene-co-propylene) has a melting point (Tm) of 135°C or higher.
- 54. (Previously presented) The molded article as described in claim 53, wherein molding is carried out through injection molding.
- 55. (Previously presented) The propylene-ethylene block copolymer as described in claim 2, wherein the propylene-ethylene block copolymer contains a xylene-soluble component during extraction by use of xylene at 20°C in an amount of 50 wt.% or less.
- 56. (Previously presented) The propylene-ethylene block copolymer as described in claim 12, wherein the propylene-ethylene block copolymer has an elution-completion temperature in cross-fractionation chromatography of 100-120°C.
- 57. (Previously presented) The blushing-resistant transparent polypropylene resin for molding as described in claim 19, wherein the polypropylene-b-poly(ethylene-co-propylene)has a

molecular weight distribution index (weight-average molecular weight (Mw)/number-average molecular weight (Mn)) of 3.5 or more.